

WHAT IS CLAIMED IS:

1. A projection type image display apparatus comprising:

illumination means;

a plurality of lenses which guide illumination light coming from said illumination means;

light bulb which modulates the illumination light guided through said plurality of lenses;

projection lens which projects the modulated light from said light bulb means; and

a holding member which fixedly holds said plurality of lenses;

at least one of said plurality of lenses being mounted to said holding member by means of an intermediate holding member including a spring portion having flexibility.

2. A projection type image display apparatus according to Claim 1, wherein

said intermediate holding member is held to said holding member in the state where said spring portion is bent.

3. A projection type image display apparatus according to Claim 1, wherein

said intermediate holding member and said holding member each include planes; and

said intermediate holding member is held to said holding member by reaction force of said spring portion in the state where said spring portion is bent

and at least part of each of said planes is brought into contact with said spring portion.

4. A projection type image display apparatus according to Claim 1, wherein

said intermediate holding member includes a plurality of planes; and

said plurality of planes is brought into contact with said holding member in the state where said spring portion is bent, so that a component of reaction force of said spring portion acts on said plurality of planes to thereby hold said intermediate holding member to said holding member.

5. A projection type image display apparatus according to Claim 1, wherein

said intermediate holding member is made of heat-melting high-molecule material.

6. A projection type image display apparatus according to Claim 1, wherein

at least part of said intermediate holding member is made of heat-melting high-molecule material and said lens is fixed to said intermediate holding member by thermal welding of said heat-melting high-molecule material.

7. A projection type image display apparatus according to Claim 1, wherein

said intermediate holding member is adhesively fixed to said holding member.

8. A projection type image display apparatus

according to Claim 1, wherein

said one lens is a focus lens.

9. A projection type image display apparatus according to Claim 1, wherein

said one lens is a multi-lens.

10. A projection type image display apparatus according to Claim 2, wherein

said intermediate holding member is made of heat-melting high-molecule material.

11. A projection type image display apparatus according to Claim 10, wherein

said intermediate holding member is adhesively fixed to said holding member.

12. A projection type image display apparatus according to Claim 11, wherein

said one lens is a multi-lens.

13. A projection type image display apparatus according to Claim 11, wherein

said one lens is a focus lens.

14. A projection type image display apparatus according to Claim 3, wherein

at least part of said intermediate holding member is made of heat-melting high-molecule material and said lens is fixed to said intermediate holding member by thermal welding of said heat-melting high-molecule material.

15. A projection type image display apparatus according to Claim 14, wherein

said intermediate holding member is adhesively fixed to said holding member.

16. A projection type image display apparatus according to Claim 15, wherein

said one lens is a multi-lens.

17. A projection type image display apparatus according to Claim 15, wherein

said one lens is a focus lens.

18. A projection type image display apparatus according to Claim 4, wherein

said intermediate holding member is made of heat-melting high-molecule material.

19. A projection type image display apparatus according to Claim 18, wherein

said intermediate holding member is adhesively fixed to said holding member.

20. A projection type image display apparatus according to Claim 19, wherein

said one lens is a focus lens.